

# **TESTING ASSEMBLY AND CLAMPING FIXTURE FOR MEASURING FRICTION AND LOOSENING TORQUE AT DIFFERENT TEMPERATURES**

## **ABSTRACT**

A testing assembly measures the friction of a coating of a test piece having a defined length. The testing assembly comprises a base and a tower fixedly secured to the base. A receiving channel extends through the tower. The receiving channel has a predetermined diameter for receiving the test piece therein. The testing assembly also includes a port extending along a portion of the receiving channel. The port provides access to the test piece at various points along its defined length such that temperature readings of the test piece can be taken as torque and tension are measured.